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Attorney Docket No.: Serial No.: INFORMATION DISCLOSURE LITATION 47233-5008-00-US 10/591,316 (Use several sheets if necessary) **Applicants** Page 1 of 1 Kenichi HIGASHIYAMA et al. PTO Form 1449 Filing Date: Group Art Unit: June 27, 2007 1651 **U.S. PATENT DOCUMENTS** *Examiner Document Sub Number Initial Date Name Class Class Filing Date US 2004/0253724 A1 12/16/2004 Yamoako **FOREIGN PATENT DOCUMENTS** Document Sub **Translation** Number Date Class Country Class YES NO JP 03-231965 03/23/1993 Japan X (Abstract) JP 2002-294420 04/30/2004 Japan X (Abstract) JP 2003-189846 07/08/2003 X (Abstract) Japan EP 0 543 023 A1 05/26/1993 EP WO 92/21764 12/10/1992 WIPO X (Abstract) WO 03/033683 A1 04/24/2003 WIPO X (Absrtract) **OTHER DOCUMENTS** (Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume issue number(s), publisher, city and/or country where published.) KOBAYASHI et al., "Photo-dependent astaxanthin biosynthesis in a green alga, Haematococcus pluvialis," Seibutsu Kogakukai-shi 71(4), 1993, pp 233-237 (Abstract) Food Style 21, 5(12), 2001 pp 25-35 (in Japanese-language) KOBAYASHI et al., "Growth and Astaxanthin Formation of Haematococcus pluvialis in Heterotrophic and Mixotrophic Conditions," Journal of Fermentation and Bioengineering, Vol. 74, No. 1, 1992, pp 17-20 KOBAYASHI et al., "Light-independent, astaxanthin production by the green microalga Haematococcus pluvialis under salt stress," Biotechnology Letters, Vol. 19, No. 6, June 1997, pp 507-509 TJAHJONO et al., "Hyper-Accumulation of Astaxanthin in a Green Alga Haematococcus pluvialis at Elevated Temperatures," Biotechnology Letters, Vol. 16, No. 2, February 1994, pp 133-138 CHAUMONT, "Biotechnology of algal biomass production: a review of systems for outdoor mass culture," Journal of Applies Phycology 5, 1993, pp 593-604 HARKER et al., "Autotrophic Growth and Carotenoid Production of Haematococcus pluvialis in a 30 Liter Air-Lift Photobioreactor," Journal of Fermentation and Bioengineering, Vol. 82, No. 2, 1996, pp 113-118 FÁBREGAS et al., "Optimization of culture medium for the continuous cultivation of the microalga Haematococcus pluvialis," Appl. Microbiol. Biotechnol., Vol. 53, 2000, pp 530-535 ZHANG et al., "Two-step process for ketocarotenoid production by a green alga, Chlorococcum sp. Strain MA-1," Appl. Microbiol. Biotechnol., Vol. 55, 2001, pp 537-540 KOBAYASHI et al., "Astaxanthin Production by a Green Alga, Haematococcus pluvialis, Accompanied with Morphological changes in Acetate Media," Journal of Fermentation and Bioengineering, Vol. 71, No. 5, 1991, pp 335-339 RENSTROM et al., "Optical Purity of (3S,3'S)-Astaxanthin from Haematococcus pluvialis," Phytochemistry, Vol. 20, No. 11, 1981, pp 2561-2564 "World Catalogue of Algae," Japan Scientific Societies Press, 1989, pp 132-133 KOBAYASHI et al., "Morphological Changes in the Life Cycle of the Green Alga Haematococcus pluvialis," Journal of Fermentation and Bioengineering, Vol. 84, No. 1, 1997, pp 94-97 'BioAstin, Nature's Premier Astaxanthin Source," NatuRose Technical Bulletin No. 78, Cyanotech Corporation, 2000 LIU et al., "Dynamic Changes of Inorganic Nitrogen and Astaxanthin Accumulation in Haematococcus pluvialis," Chinese Journal of Oceanology and Limnology," Vol. 20, No. 4, 2002, pp 358-364 Examiner Date Considered Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.